

The listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1-108. (Canceled)

109. (Previously Presented) An electroluminescence display device comprising:
at least one thin film transistor formed over a substrate;
a first insulating layer comprising organic resin formed over said thin film transistor;
a second insulating layer comprising DLC formed over said first insulating layer;
a pixel electrode formed over said second insulating layer, said pixel electrode electrically connected to said thin film transistor; and
a light-emitting layer formed over said second insulating layer.

110. (Previously Presented) An electroluminescence display device according to claim 109, wherein said organic resin is selected from the group consisting of polyimide, polyimideamide, polyamide, acryl and epoxy.

111. (Previously Presented) An electroluminescence display device according to claim 109, wherein said first insulating layer has a planarized surface.

112. (Previously Presented) An electroluminescence display device according to claim 109, wherein said electroluminescence display device is incorporated into an electric apparatus selected from the group consisting of a portable information terminal, a head mount display, a portable telephone, a video camera and a projector.

113. (Previously Presented) An electroluminescence display device comprising:
at least one thin film transistor formed over a substrate;
a first insulating layer comprising silicon nitride formed over said thin film transistor;
a second insulating layer comprising organic resin formed over said first insulating layer;
a third insulating layer comprising DLC formed over said second insulating layer;
a pixel electrode formed over said third insulating layer, said pixel electrode electrically connected to said thin film transistor; and
a light-emitting layer formed over said third insulating layer.

114. (Previously Presented) An electroluminescence display device according to claim 113, wherein said organic resin is selected from the group consisting of polyimide, polyimideamide, polyamide, acryl and epoxy.

115. (Previously Presented) An electroluminescence display device according to claim 113, wherein said second insulating layer has a planarized surface.

116. (Previously Presented) An electroluminescence display device according to claim 113, wherein said electroluminescence display device is incorporated into an electric apparatus selected from the group consisting of a portable information terminal, a head mount display, a portable telephone, a video camera and a projector.

117. (Previously Presented) An electroluminescence display device comprising:
at least one thin film transistor formed over a substrate;
a first insulating layer comprising organic resin formed over said thin film transistor;

a second insulating layer comprising DLC formed over said first insulating layer;
a third insulating layer comprising organic resin formed over said second insulating layer;
a pixel electrode formed over said third insulating layer, said pixel electrode electrically connected to said thin film transistor; and
a light-emitting layer formed over said third insulating layer.

118. (Previously Presented) An electroluminescence display device according to claim 117, wherein said organic resin is selected from the group consisting of polyimide, polyimideamide, polyamide, acryl and epoxy.

119. (Previously Presented) An electroluminescence display device according to claim 117, wherein said first insulating layer has a planarized surface.

120. (Previously Presented) An electroluminescence display device according to claim 117, wherein said electroluminescence display device is incorporated into an electric apparatus selected from the group consisting of a portable information terminal, a head mount display, a portable telephone, a video camera and a projector.

121. (Previously Presented) An electroluminescence display device comprising:
an active matrix region and a driver region formed over a substrate,
wherein said active matrix region comprises:
at least one thin film transistor;
a first insulating layer comprising organic resin formed over said thin film transistor;
a second insulating layer comprising DLC formed over said first insulating layer;
a pixel electrode formed over said second insulating layer, said pixel electrode electrically connected to said thin film transistor; and

a light-emitting layer formed over said second insulating layer.

122. (Previously Presented) An electroluminescence display device according to claim 121, wherein said organic resin is selected from the group consisting of polyimide, polyimideamide, polyamide, acryl and epoxy.

123. (Previously Presented) An electroluminescence display device according to claim 121, wherein said first insulating layer has a planarized surface.

124. (Previously Presented) An electroluminescence display device according to claim 121, wherein said electroluminescence display device is incorporated into an electric apparatus selected from the group consisting of a portable information terminal, a head mount display, a portable telephone, a video camera and a projector.

125. (Previously Presented) An electroluminescence display device comprising:
an active matrix region and a driver region over a substrate, wherein said active matrix region comprises:

at least one thin film transistor;

a first insulating layer comprising silicon nitride formed over said thin film transistor;

a second insulating layer comprising organic resin formed over said first insulating layer;

a third insulating layer comprising DLC formed over said second insulating layer;

a pixel electrode formed over said third insulating layer, said pixel electrode electrically connected to said thin film transistor; and

a light-emitting layer formed over said third insulating layer.

126. (Previously Presented) An electroluminescence display device according to claim 125, wherein said organic resin is selected from the group consisting of polyimide, polyimideamide, polyamide, acryl and epoxy.

127. (Previously Presented) An electroluminescence display device according to claim 125, wherein said second insulating layer has a planarized surface.

128. (Previously Presented) An electroluminescence display device according to claim 125, wherein said electroluminescence display device is incorporated into an electric apparatus selected from the group consisting of a portable information terminal, a head mount display, a portable telephone, a video camera and a projector.

129. (Previously Presented) An electroluminescence display device comprising:
an active matrix region and a driver region over a substrate, wherein said active matrix region comprises:

at least one thin film transistor;

a first insulating layer comprising organic resin formed over said thin film transistor;

a second insulating layer comprising DLC formed over said first insulating layer;

a third insulating layer comprising organic resin formed over said second insulating layer;

a pixel electrode formed over said third insulating layer, said pixel electrode electrically connected to said thin film transistor; and

a light-emitting layer formed over said third insulating layer.

130. (Previously Presented) An electroluminescence display device according to claim 129, wherein said organic resin is selected from the group consisting of polyimide, polyimideamide, polyamide, acryl and epoxy.

131. (Previously Presented) An electroluminescence display device according to claim 129, wherein said first insulating layer has a planarized surface.

132. (Previously Presented) An electroluminescence display device according to claim 129, wherein said electroluminescence display device is incorporated into an electric apparatus selected from the group consisting of a portable information terminal, a head mount display, a portable telephone, a video camera and a projector.

133. (Previously Presented) An electroluminescence display device comprising:
a switching element comprising at least one thin film transistor formed over a substrate;
a first insulating layer comprising organic resin formed over said switching element;
a second insulating layer comprising DLC formed over said first insulating layer;
a pixel electrode formed over said second insulating layer, said pixel electrode electrically connected to said thin film transistor; and
a light-emitting layer formed over said second insulating layer.

134. (Previously Presented) An electroluminescence display device according to claim 133, wherein said organic resin is selected from the group consisting of polyimide, polyimideamide, polyamide, acryl and epoxy.

135. (Previously Presented) An electroluminescence display device according to claim 133, wherein said first insulating layer has a planarized surface.

136. (Previously Presented) An electroluminescence display device according to claim 133, wherein said electroluminescence display device is incorporated into an

electric apparatus selected from the group consisting of a portable information terminal, a head mount display, a portable telephone, a video camera and a projector.

137. (Previously Presented) An electroluminescence display device comprising:
a switching element comprising at least one thin film transistor formed over a substrate;

a first insulating layer comprising organic resin having a flattened upper surface, formed over said switching element;

a second insulating layer comprising DLC formed over said first insulating layer;

a pixel electrode formed over said second insulating layer, said pixel electrode electrically connected to said thin film transistor; and

a light-emitting layer formed over said second insulating layer.

138. (Previously Presented) An electroluminescence display device according to claim 137, wherein said organic resin is selected from the group consisting of polyimide, polyimideamide, polyamide, acryl and epoxy.

139. (Previously Presented) An electroluminescence display device according to claim 137, wherein said first insulating layer has a planarized surface.

140. (Previously Presented) An electroluminescence display device according to claim 137, wherein said electroluminescence display device is incorporated into an electric apparatus selected from the group consisting of a portable information terminal, a head mount display, a portable telephone, a video camera and a projector.

141. (Previously Presented) An electroluminescence display device comprising:
at least one thin film transistor formed over a substrate;
a flattened insulating layer formed over said thin film transistor;

an insulating layer comprising DLC formed over said flattened insulating layer;
a pixel electrode formed over said insulating layer comprising DLC, said pixel electrode electrically connected to said thin film transistor; and
a light-emitting layer formed over said insulating layer.

142. (Previously Presented) An electroluminescence display device according to claim 141, wherein said flattened insulating layer comprises an organic resin selected from the group consisting of polyimide, polyimideamide, polyamide, acryl and epoxy.

143. (Previously Presented) An electroluminescence display device according to claim 141, wherein said electroluminescence display device is incorporated into an electric apparatus selected from the group consisting of a portable information terminal, a head mount display, a portable telephone, a video camera and a projector.

144. (Previously Presented) An electroluminescence display device comprising:
at least one thin film transistor formed over a substrate;
a first flattened insulating layer formed over said thin film transistor;
an insulating layer comprising DLC formed over said first flattened insulating layer;
a second flattened insulating layer formed over said second insulating layer;
a pixel electrode formed over said insulating layer comprising DLC, said pixel electrode electrically connected to said thin film transistor; and
a light-emitting layer formed over said second flattened insulating layer.

145. (Previously Presented) An electroluminescence display device according to claim 144, wherein at least one of said first and second flattened insulating layers comprises an organic resin selected from the group consisting of polyimide, polyimideamide, polyamide, acryl and epoxy.

146. (Previously Presented) An electroluminescence display device according to claim 144, wherein said electroluminescence display device is incorporated into an electric apparatus selected from the group consisting of a portable information terminal, a head mount display, a portable telephone, a video camera and a projector.

147. (Previously Presented) A portable information terminal comprising:
at least one thin film transistor formed over a substrate;
a flattened insulating layer formed over said thin film transistor;
an insulating layer comprising DLC formed over said flattened insulating layer;
a pixel electrode formed over said insulating layer comprising DLC, said pixel electrode electrically connected to said thin film transistor; and
a light-emitting layer formed over said insulating layer.

148. (Previously Presented) A portable information terminal according to claim 147, wherein said flattened insulating layer comprises an organic resin selected from the group consisting of polyimide, polyimideamide, polyamide, acryl and epoxy.

149. (Currently Amended) A portable information terminal comprising:
at least one thin film transistor formed over a substrate;
a first flattened insulating layer formed over said thin film transistor;
an insulating layer comprising DLC formed over said first flattened insulating layer;
a second flattened insulating layer formed over said ~~second~~ insulating layer comprising DLC;
a pixel electrode formed over said insulating layer comprising DLC, said pixel electrode electrically connected to said thin film transistor; and
a light-emitting layer formed over said second flattened insulating layer.

150. (Previously Presented) A portable information terminal according to claim 149, wherein at least one of said first and second flattened insulating layers comprises an organic resin selected from the group consisting of polyimide, polyimideamide, polyamide, acryl and epoxy.

151. (Previously Presented) A head mount display comprising:
at least one thin film transistor formed over a substrate;
a flattened insulating layer formed over said thin film transistor;
an insulating layer comprising DLC formed over said flattened insulating layer;
a pixel electrode formed over said insulating layer comprising DLC, said pixel electrode electrically connected to said thin film transistor; and
a light-emitting layer formed over said insulating layer.

152. (Previously Presented) A head mount display according to claim 151, wherein said flattened insulating layer comprises an organic resin selected from the group consisting of polyimide, polyimideamide, polyamide, acryl and epoxy.

153. (Currently Amended) A head mount display comprising:
at least one thin film transistor formed over a substrate;
a first flattened insulating layer formed over said thin film transistor;
an insulating layer comprising DLC formed over said first flattened insulating layer;
a second flattened insulating layer formed over said ~~second~~ insulating layer comprising DLC;
a pixel electrode formed over said insulating layer comprising DLC, said pixel electrode electrically connected to said thin film transistor; and
a light-emitting layer formed over said second flattened insulating layer.

154. (Previously Presented) A head mount display according to claim 153, wherein at least one of said first and second flattened insulating layers comprises an organic resin selected from the group consisting of polyimide, polyimideamide, polyamide, acryl and epoxy.

155. (Previously Presented) A portable telephone comprising:
at least one thin film transistor formed over a substrate;
a flattened insulating layer formed over said thin film transistor;
an insulating layer comprising DLC formed over said flattened insulating layer;
a pixel electrode formed over said insulating layer comprising DLC, said pixel electrode electrically connected to said thin film transistor; and
a light-emitting layer formed over said insulating layer.

156. (Previously Presented) A portable telephone according to claim 155, wherein said flattened insulating layer comprises an organic resin selected from the group consisting of polyimide, polyimideamide, polyamide, acryl and epoxy.

157. (Currently Amended) A portable telephone comprising:
at least one thin film transistor formed over a substrate;
a first flattened insulating layer formed over said thin film transistor;
an insulating layer comprising DLC formed over said first flattened insulating layer;
a second flattened insulating layer formed over said ~~second~~ insulating layer comprising DLC;
a pixel electrode formed over said insulating layer comprising DLC, said pixel electrode electrically connected to said thin film transistor; and
a light-emitting layer formed over said second flattened insulating layer.

158. (Previously Presented) A portable telephone according to claim 157, wherein at least one of said first and second flattened insulating layers comprises an organic resin selected from the group consisting of polyimide, polyimideamide, polyamide, acryl and epoxy.

159. (Previously Presented) A video camera comprising:
at least one thin film transistor formed over a substrate;
a flattened insulating layer formed over said thin film transistor;
an insulating layer comprising DLC formed over said flattened insulating layer;
a pixel electrode formed over said insulating layer comprising DLC, said pixel electrode electrically connected to said thin film transistor; and
a light-emitting layer formed over said insulating layer.

160. (Previously Presented) A video camera according to claim 159, wherein said flattened insulating layer comprises an organic resin selected from the group consisting of polyimide, polyimideamide, polyamide, acryl and epoxy.

161. (Currently Amended) A video camera comprising:
at least one thin film transistor formed over a substrate;
a first flattened insulating layer formed over said thin film transistor;
an insulating layer comprising DLC formed over said first flattened insulating layer;
a second flattened insulating layer formed over said ~~second~~ insulating layer comprising DLC;
a pixel electrode formed over said insulating layer comprising DLC, said pixel electrode electrically connected to said thin film transistor; and
a light-emitting layer formed over said second flattened insulating layer.

162. (Previously Presented) A video camera according to claim 161, wherein at least one of said first and second flattened insulating layers comprises an organic resin selected from the group consisting of polyimide, polyimideamide, polyamide, acryl and epoxy.

163. (Previously Presented) A projector comprising:
at least one thin film transistor formed over a substrate;
a flattened insulating layer formed over said thin film transistor;
an insulating layer comprising DLC formed over said flattened insulating layer;
a pixel electrode formed over said insulating layer comprising DLC, said pixel electrode electrically connected to said thin film transistor; and
a light-emitting layer formed over said insulating layer.

164. (Previously Presented) A projector according to claim 163, wherein said flattened insulating layer comprises an organic resin selected from the group consisting of polyimide, polyimideamide, polyamide, acryl and epoxy.

165. (Currently Amended) A projector comprising:
at least one thin film transistor formed over a substrate;
a first flattened insulating layer formed over said thin film transistor;
an insulating layer comprising DLC formed over said first flattened insulating layer;
a second flattened insulating layer formed over said ~~second~~ insulating layer comprising DLC;
a pixel electrode formed over said insulating layer comprising DLC, said pixel electrode electrically connected to said thin film transistor; and
a light-emitting layer formed over said second flattened insulating layer.

166. (Previously Presented) A projector according to claim 165, wherein at least one of said first and second flattened insulating layers comprises an organic resin selected from the group consisting of polyimide, polyimideamide, polyamide, acryl and epoxy.